

Grade 3 Academic Standards

Unit 5 Lesson

Science

Standard 1 The Nature of Science and Technology

Technology and Science

- 3.1.6 Give examples of how tools, such as automobiles, computers, and electric motors, have affected the way we live.
- 3.1.7 Recognize that and explain how an invention can be used in different ways, such as a radio being used to get information and for entertainment.
- 3.1.8 Describe how discarded products contribute to the problem of waste disposal and that recycling can help solve this problem.

Standard 2 Scientific Thinking

Critical Response Skills

- 3.2.7 Ask “How do you know?” in appropriate situations and attempt reasonable answers when others ask the same question.

Standard 3 The Physical Setting

The Earth and the Processes that Shape It

- 3.3.7 Identify and explain some effects human activities have on weather.

Standard 4 The Living Environment

Human Identity

- 3.4.8 Explain that some things people take into their bodies from the environment can hurt them and give examples of such things.

Standard 5 The Mathematical World

Reasoning and Uncertainty

- 3.5.5 Explain that one way to make sense of something is to think of how it relates to something more familiar.

Standard 6 Common Themes

Constancy and Change

- 3.6.5 Observe that and describe how some changes are very slow and some are very fast and that some of these changes may be hard to see and/or record.

Unit 5 - Activities 4 and 6 satisfy the following Indiana academic science standards:

Science

- 3.1.1 Recognize and explain that when a scientific investigation is repeated, a similar result is expected.
- 3.1.2 Participate in different types of guided scientific investigations, such as observing objects and events and collecting specimens for analysis.
- 3.1.4 Discuss the results of investigations and consider the explanations of others.
- 3.1.6 Give examples of how tools, such as automobiles, computers, and electric motors, have affected the way we live.
- 3.2.2 Measure and mix dry and liquid materials in prescribed amounts, following reasonable safety.
- 3.2.7 Ask “How do you know?” in appropriate situations and attempt reasonable answers when others ask the same question.
- 3.3.7 Identify and explain some effects human activities have on weather.
- 3.4.8 Explain that some things people take into their bodies from the environment can hurt them and give examples of such things.
- 3.6.3 Explain how a model of something is different from the real thing but can be used to learn something about the real thing.